

California Regional Water Quality Control Board
North Coast Region

Monitoring and Reporting Program No. R1-2004-0113
(Replaces Monitoring and Reporting Program No. R1-2003-0065)

FOR

Redwood Oil Company
105 X Street
Eureka, California

Humboldt County

MONITORING

1. The presence of floating product shall be evaluated in each monitoring well semiannually. If detected, the thickness shall be measured to at least 0.01 foot increments.
2. The depth to groundwater in each monitoring well shall be determined to at least 0.01 foot increments semiannually. The results of each event's elevation shall be reported in tabular form indicating the surveyed elevations of each well reference point, depth to groundwater from reference point, and the actual groundwater elevation. The data generated from the elevation readings must be referenced to mean sea level.
3. Each monitoring well shall be sampled according to the following schedule. The analyses shall be performed at a certified laboratory for Total Petroleum Hydrocarbons as gasoline (TPH-G), Total Petroleum Hydrocarbons as diesel (TPH-D), Total Petroleum Hydrocarbons as motor oil (TPH-MO), benzene, toluene, ethylbenzene, xylene (collectively identified as BTEX), and methyl-tertiary butyl ether (MTBE) .

WELL	February	August
MW-1	TPH-G, MTBE	MTBE
MW-2	TPH-G, MTBE	TPH-G, MTBE
MW-3	TPH\G, MTBE, BTEX	
MW-4	MTBE	
MW-5	TPH-G, MTBE	TPH-g, MTBE
MW-6	MTBE	

4. All newly installed monitoring wells well be sampled quarterly for the contaminants applicable to the area of well installation.

REPORTING

A groundwater elevation contour map shall be submitted for each semiannual set of measurements and include the facility, groundwater flow pattern including the direction of the groundwater gradient, and the location of the wells measured. Semiannual monitoring reports,

including semiannual gradient data and sampling data, shall be submitted to this office in accordance with the following schedule:

Reporting Period

Due Date

January, February, March, April, May, June

July 15

July, August, September, October, November, December

January 15

Ordered by _____

Catherine E. Kuhlman
Executive Officer

December 2, 2004

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